ADR-1000 *Plus*

- Portable Traffic Counter/Classifier

- 2 Mb. Onboard Memory – increased storage capacity

- PCMCIA Memory Option – for even more storage

- Quick Setup, Easy to Use

- Scheme "F" or Custom Classification

- Solar Power Option

- Water-resistant Airswitches

- Weatherproof Housing

- U.S. Standard or Metric Units
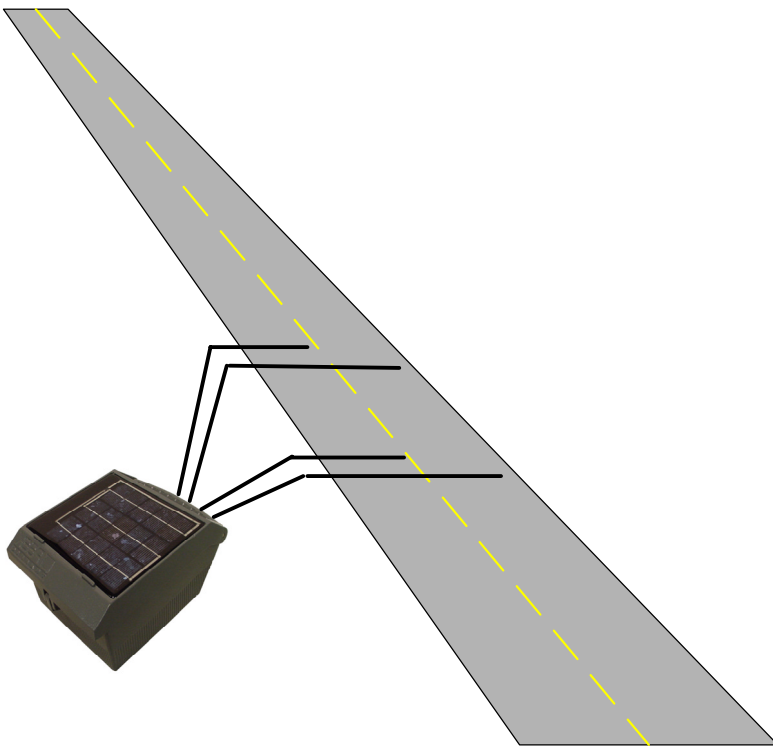
- Interfaces with SAFECOUNT

- Battery "Sentinel"

The Peek ADR-1000 *Plus*

With preprogrammed "Quick Setup" features, field personnel need only press one or two keys to select recording operation. The type, configuration and format of data to be collected are selected by the user from menu driven choices or may be custom programmed. Available data types include per vehicle classification by axle, speed, length, gap, headway or combinations of the above. Vehicles may be classified according to the FHWA Scheme "F" or user defined custom classification tree.

The Peek ADR-1000 *Plus* provides ease of use and optimal functionality as a portable counter/classifier. Optional internal sensor modules allow the ADR-1000 *Plus* to monitor inputs using loops, piezos or contact closures. The 2 Megabytes of standard memory extends data collection, provides for increased data storage, extended days of data collection, multiple setup files and complex studies. A removable PCMCIA memory card is also available to further extend your storage capability.

Water-resistant Airswitches now eliminate the worry of internal water exposure from failed road tubes. Our Weatherproof Housing provides a barrier against the elements of nature. We are setting the standard for durability and longevity in our entire ADR line of counter/classifiers. Our quality control is based on ISO9000 standards of operation, enabling us to provide you with environmental chamber tested, inspected, top-notch products.

The ADR-1000 *Plus* is fully compatible with the ADR-2000 and the ADR-3000. The entire range of ADR products

operate with the Windows® software packages available from Peek.

For more information on the ADR-1000 *Plus*, or any Peek product, please contact a Peek authorized Distributor, Agent or Regional Sales Manager.

ADR-1000 *Plus* Specifications

Operational Characteristics

The Peek ADR-1000 *Plus* is a self-contained, portable automatic vehicular traffic counter/classifier which can be setup and operated via the integral smart keypad and interactive display. Alternatively, full operational control can be granted either remotely or directly in the field via a computer with appropriate software or a hand-held data collector/programmer. Flexibility in configuration is achieved with easy menu guidance, eliminating confusion and operator errors with the use of factory preloaded setup files. Collected data is held secure from unintentional erasure or loss.

Physical Description

The Peek ADR-1000 *Plus* is packaged in a self-contained weatherproof cast aluminum enclosure. The enclosure is sealed against environmental precipitation (IP67 accidental submersion up to three inches). The ADR-1000 *Plus* is expandable by function with individual plug-in modules. Compact, individual plug-in sensor modules use DIN standard connectors. Electrical connections (external) are via rear mounted UL and CSA approved weatherproof connectors. An internal 6volt 10 amp. Hour rechargeable battery is supplied, which is equipped with a battery sentinel to extend battery life, by preventing deep discharging. Power options include a lid mounted integral solar power, and a battery charger. An independently supported hardware real time clock keeps time and date, regardless of unit power, for up to ten years.

Housing:	Rugged, stackable interlocking weatherproof cast aluminum housing and integrally cast carrying handle supplied with brass body lock and two matching keys
Weight:	Less than 14.8 pounds (6.7 kg) with battery
Size:	Height: 5.25" (135 mm) Width: 8.5" (215 mm) Depth: 10 .5" (270 mm)
Temperature:	-40°F to +165°F
Display:	20 digits x 4 line liquid crystal display
Inputs:	2 or 4 water-resistant air switches
Counter Rate:	200 counts per second per input
Interval:	1, 2, 5, 6, 10, 15, 30 and 60 minutes 2, 3, 6, 12 and 24 hours, real time events Four daily peak periods available
Study Periods:	Preset 2, 4, 7 days or continuous
Microprocessor:	Intel 80C186
Capacity:	Approx. 3,280 days of volume data
Autonomy:	90 Days, indefinite with solar option
Battery:	6 volt 10 ampere hour rechargeable sealed lead gel battery protected by automatic disconnect at 5.1 volts
Communications:	Selectable RS232 serial baud rates between 300 and 19,200 baud via UL and CSA approved female socket
Options:	1) Up to eight loop inputs or 2) Up to eight piezos inputs or 3) Up to fourteen inputs contacts.

4) Four piezos on motherboard
5) PCMCIA memory card socket
6) Solar Power

Peek ADR-1000 *Plus* Supportive Software

Two user-friendly Windows® software packages are available from Peek Traffic, Inc., the Data Acquisition and Report Tool (DART®) program and the Traffic Operations Processing Software (TOPS®) program.

The DART® software program provides fast reports and graphs for analysis and printing plus collection of the data by direct connection or import transfer. Processed data reports may be exported to various other software

The TOPS® program provides multi-file processing, stores your data files into a single database for easy file sharing among TOPS® users, allows for edit and preview of reports before printing, provides for both ADR and 241 data processing protocols, enables remote or local setup of Peek ADR units and collection of data by direct manual connection or by the added functionality of automatic telemetry polling of field sites via modem connection (autopolling and weigh-in-motion support are add-in options). The TOPS® program will read all files and will generate a suite of daily, weekly and monthly reports. A user definable classification function, within the program, provides the ability to customize classification and to transfer the new scheme to the Peek ADR-1000. Processed data may be exported to various other software.

Quality Assurance Testing

Each unit is individually tested for correct operation during a computer controlled environmental chamber test cycle, based on the NEMA TS2 standards. All input circuits have been designed and tested to the NEMA TS2 standards for surge (lightning) protection.

Two Year Limited Warranty

Peek Traffic, Inc. warrants this product against manufacturing defects in materials and workmanship for two years from date of shipment from the Peek Traffic, Inc. factory. Specific contracts and regional laws may vary or alter these terms.

Peek Traffic, Inc. products are protected by one or more U.S. and international patents.

For specific warranty information, contact your local representative or Peek Traffic, Inc.

Peek Traffic, Inc. reserves the right to make changes to this product with out notice.